

Gulf of Mexico Harmful Algal Bloom Bulletin

9 May 2005

National Ocean Service

National Environmental Satellite, Data, and Information Service

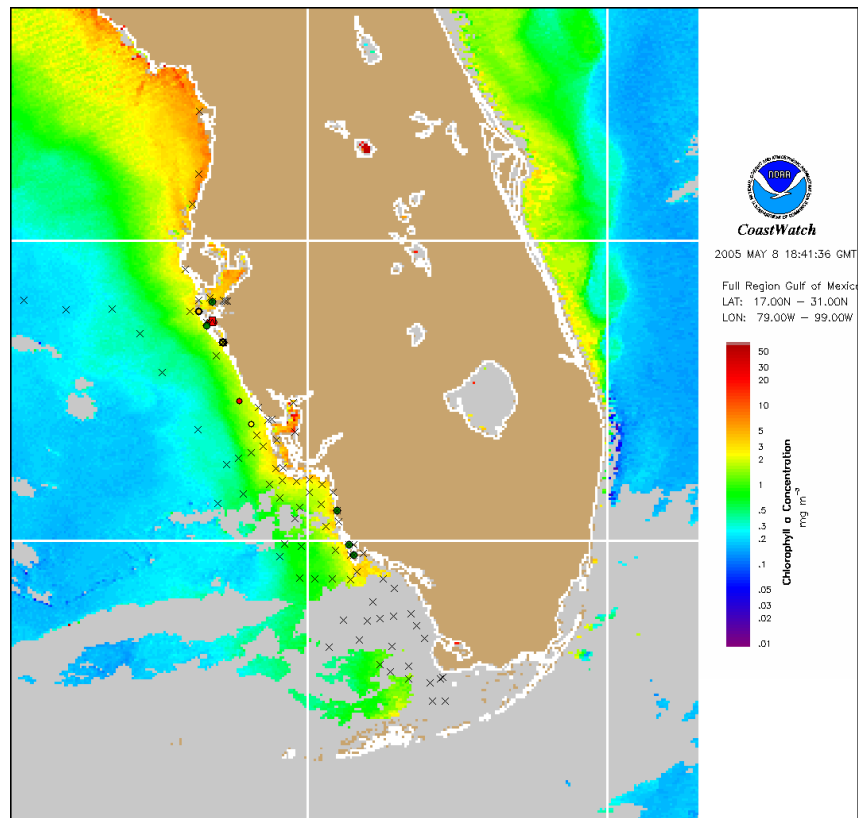
Last bulletin: May 5, 2005

Conditions: A harmful algal bloom has been identified in Manatee County. Patchy low to moderate impacts possible tonight and in the afternoons from tomorrow to Friday. Very low impacts this afternoon, and in the mornings. The bloom continues to dissipate along the coast.

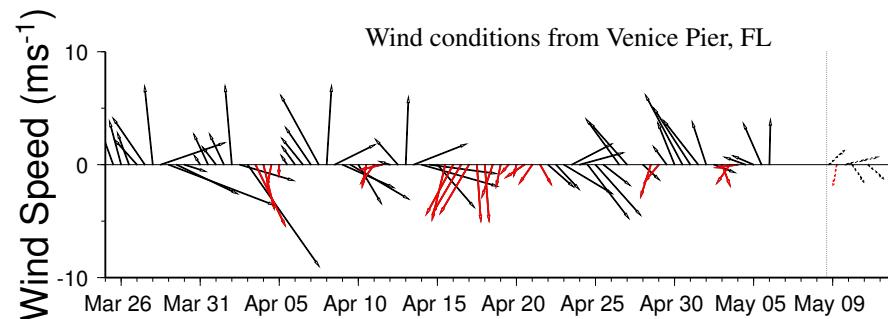
Analysis: The bloom continues to dissipate along the coast, but is concentrated in Palma Sola Bay, east of Anna Maria County. Fish kills have been reported in the area. Very low concentrations of *K. brevis* have also been reported at the north end of Anna Maria Island and present concentrations at the mouth of Tampa Bay. Intensification of the bloom is unlikely through Friday. Afternoon seabreezes may increase the potential for impacts in Palma Sola and Sarasota Bays.

Cedar Key: FWRI reported a visual sighting of discolored water off of Cedar Key on April 13. Imagery from May 8 indicates a chlorophyll level of $>9\mu\text{g/L}$ south of Cedar Key at $28^{\circ}59'N$ $83^{\circ}9'W$. No recent samples available for this area, sampling recommended.

-Stolz, Bronder, Fisher



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from May 2, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

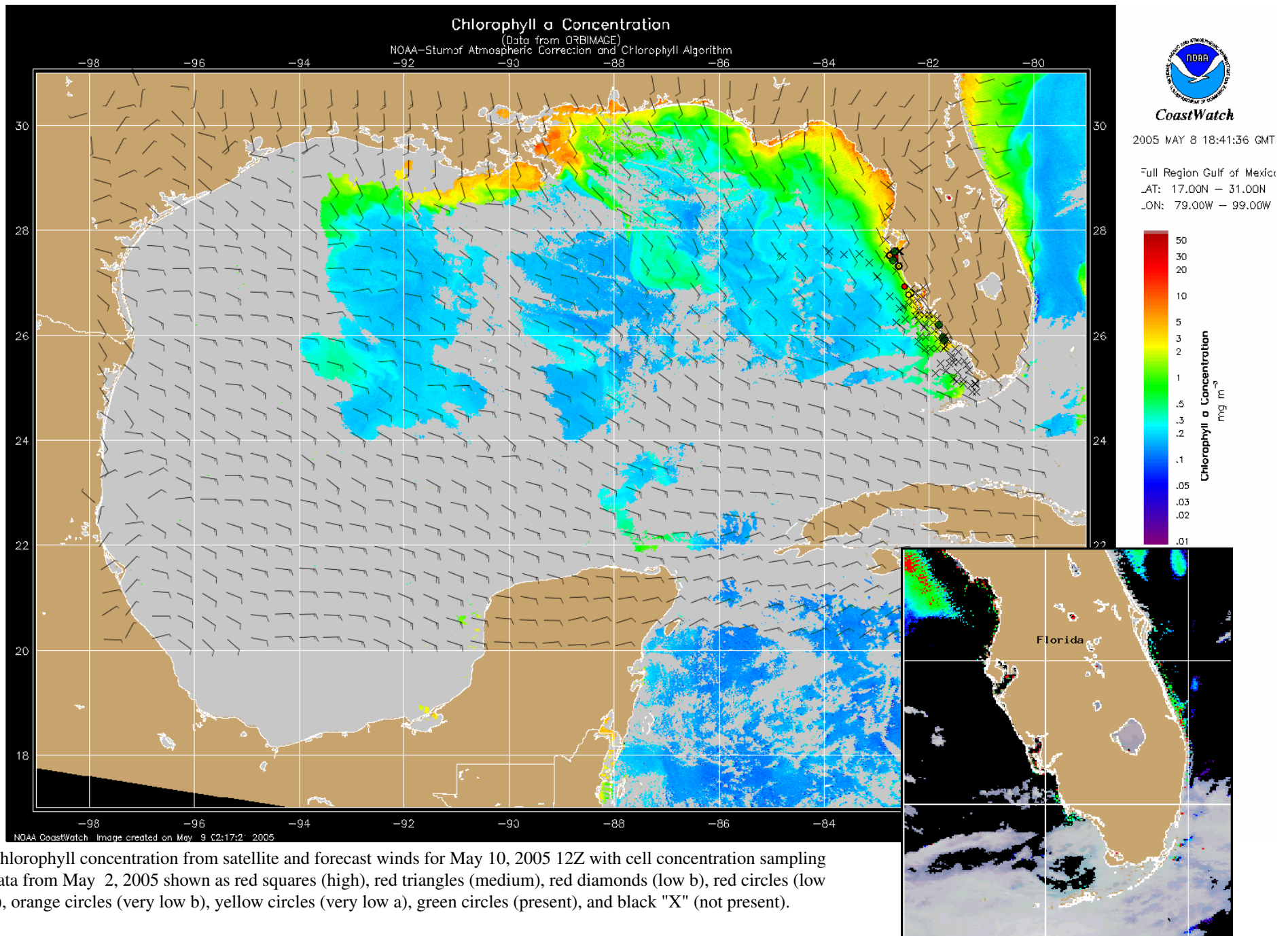


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Southeast winds today becoming northwest this afternoon. Easterly winds Tuesday through Friday, with afternoon seabreeze each day. 5-10 knots (3-5 m/s) all week.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. These data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Distribution for military, or commercial purposes is NOT permitted.
3. There are restrictions on Internet/Web/public posting of these data.
4. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.



Chlorophyll concentration from satellite and forecast winds for May 10, 2005 12Z with cell concentration sampling data from May 2, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

Blooms shown in red (see p. 1 analysis and image for interpretation)

